

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P730348

Luminaire Tested: **HBLED-LD5-12SE-W-CLI-UNV-L750**

Issue Date: 11/13/2023

Test Information

Test Method: LM-79-08
Report Number: P730348
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P23766)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: HBLED-LD5-12SE-W-CLI-UNV-L750
Description: 12000 LUMEN, SE HBLED WITH WIDE DISTRIBUTION AND CLEAR ACRYLIC LENS
INSERT
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12173.0 lumens
Efficiency: N/A
Efficacy: 162.3 lumens/watt
Spacing Criteria (0/90/45): 1.28 / 1.27 / 1.37
Luminous Opening: Rectangular (W 1.67' x L: 4' x H: 0')
CIE Type: Direct

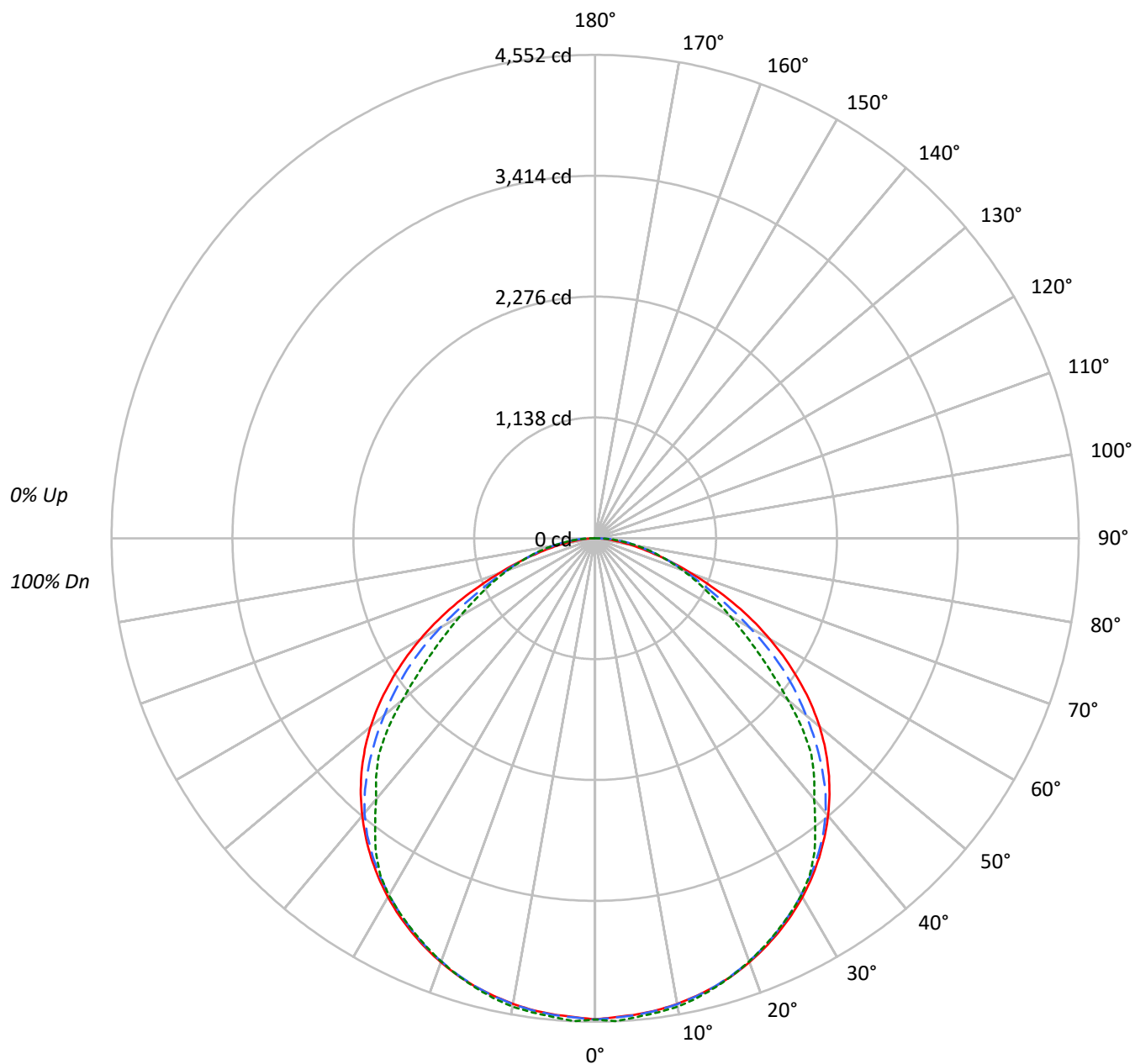
Input Watts (W): 75
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	105	101	97	107	102	99	95	98	95	92	94	92	90	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71		
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31		
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28		
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7315	7315	7315
5°	7296	7301	7334
10°	7300	7303	7342
15°	7301	7300	7317
20°	7299	7282	7284
25°	7288	7261	7252
30°	7276	7232	7236
35°	7242	7197	7095
40°	7190	7117	6758
45°	7099	6872	6571
50°	6928	6506	5951
55°	6613	6085	5263
60°	6137	5429	4746
65°	5455	4700	4364
70°	4527	4201	4113
75°	3661	3845	3892
80°	2908	3677	3662
85°	2277	3950	3768



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	429.7	3.5
10°-20°	1235.9	10.2
20°-30°	1884.6	15.5
30°-40°	2280.1	18.7
40°-50°	2309.5	19.0
50°-60°	1908.9	15.7
60°-70°	1260.8	10.4
70°-80°	657.4	5.4
80°-90°	206.1	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	3550.2	29.2
0°-40°	5830.3	47.9
0°-60°	10048.7	82.5
0°-90°	12173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12173.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4531	4531	4531	4531	4531	
5°	4502	4529	4505	4524	4525	428
15°	4368	4390	4367	4381	4378	1233
25°	4091	4107	4076	4086	4071	1886
35°	3674	3679	3651	3646	3600	2298
45°	3109	3101	3010	2916	2878	2394
55°	2349	2314	2162	1952	1870	2094
65°	1428	1386	1230	1150	1142	1410
75°	587	597	616	624	624	639
85°	123	158	213	212	203	149
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4530.8	4530.8	4530.8	4530.8	4530.8
2.5°	4511.8	4538.5	4516.2	4535.7	4551.5
5°	4501.5	4528.7	4504.7	4524.3	4524.9
7.5°	4481.4	4508.6	4484.1	4503.7	4503.1
10°	4452.5	4478.1	4454.7	4478.1	4478.1
12.5°	4413.4	4438.4	4415.6	4437.3	4434.0
15°	4367.7	4390.0	4367.2	4380.8	4377.5
17.5°	4313.8	4334.0	4308.4	4319.8	4313.3
20°	4248.0	4266.5	4238.3	4252.9	4239.3
22.5°	4174.0	4191.4	4162.6	4173.5	4158.2
25°	4090.8	4107.2	4075.6	4085.9	4070.7
27.5°	4001.1	4015.8	3980.4	3992.9	3980.9
30°	3902.6	3909.7	3879.3	3895.6	3881.4
32.5°	3792.8	3797.1	3770.4	3785.1	3761.2
35°	3674.2	3679.1	3651.4	3646.4	3599.7
37.5°	3547.4	3549.6	3523.5	3479.4	3402.2
40°	3411.5	3410.4	3376.7	3274.9	3206.4
42.5°	3266.2	3265.7	3206.4	3090.5	3051.4
45°	3109.0	3100.9	3009.5	2916.0	2877.9
47.5°	2940.5	2931.7	2803.9	2729.4	2642.9
50°	2758.2	2743.0	2590.1	2488.4	2369.3
52.5°	2561.9	2538.5	2382.9	2218.6	2106.1
55°	2349.2	2314.4	2161.6	1951.6	1869.5
57.5°	2127.8	2076.1	1927.7	1723.2	1656.2
60°	1900.5	1842.8	1681.2	1513.2	1469.7
62.5°	1666.6	1609.5	1444.7	1317.9	1294.0
65°	1427.8	1386.4	1230.3	1150.4	1142.3
67.5°	1183.0	1168.3	1049.2	1008.4	1005.2
70°	958.9	956.2	889.8	869.2	871.3
72.5°	766.4	763.1	753.4	743.0	743.5
75°	586.9	597.2	616.3	624.4	623.9
77.5°	437.9	459.1	499.3	515.6	512.9
80°	312.8	344.3	395.5	410.7	393.8
82.5°	208.3	241.5	301.9	304.0	290.4
85°	122.9	158.3	213.2	211.6	203.4
87.5°	60.9	95.2	127.8	122.4	117.0
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)